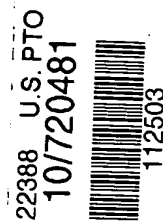


CROWELL & MORING, LLP
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Washington, D.C. 20044-4300
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November 25, 2003

Customer No.

23911

Mail Stop PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: New U.S. Patent Appln.
Our Ref: 056203.52940US

Sir:

Transmitted herewith for filing is the patent application of:

Toshio MANAKA

entitled: **ELECTRO MECHANICAL BRAKE, CONTROL DEVICE AND
CONTROL METHODS**

Enclosed are:

1. ☒ Application Data Sheet
2. ☒ Specification, including 13 claims (pages 1-18).
3. ☒ 6 Sheets of drawings showing Figs. 1-6.
4. ☒ Declaration and Power of Attorney.
5. ☒ Assignment of the invention to Hitachi, Ltd.
6. ☒ Information Disclosure Statement w/1 reference.

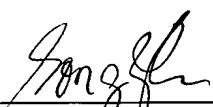
Priority is being claimed under 35 U.S.C. §119 and 37 C.F.R. §1.55 based on Priority Document 2002-341624, filed in Japan on November 26, 2002.

The filing fee has been calculated as shown below:

Basic Fee					\$385/770	=	\$770.00
Total Claims	13	-	20	=	0	x	\$9/18 = \$
Independent Claims	3	-		=	0	x	\$43/86 = \$
Multiple Dependent Claim Presented					\$140/280	=	\$
Total Filing Fee							\$770.00

Two checks, in the amount of \$770.00 for the filing fee and \$40.00 for the assignment recording fee, are enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 05-1323 (Docket #056203.52940US). **A duplicate copy of this sheet is enclosed.**

Respectfully submitted,



Song Zhu, Ph.D., Reg. No. 44,420
James F. McKeown, Reg. No. 25,406